

CLAIMS

1. A composition for controlled release of a bioactive agent, comprising:
a biodegradable crystallizable polymer;
a biocompatible solvent; and
a bioactive agent.
2. The composition of claim 1, wherein the solvent has a miscibility with water less than 7 percent by weight.
3. The composition of claim 1, further comprising at least one biocompatible component solvent.
4. The composition of claim 1, further comprising an emulsifying agent.
5. The composition of claim 1, wherein the composition is sterile.
6. The composition of claim 1, wherein the biodegradable crystallizable polymer is a polyester.
7. The composition of claim 1, wherein the biodegradable crystallizable polymer is poly(ϵ -caprolactone).
8. The composition of claim 1, wherein the biocompatible solvent is ethyl benzoate.
9. The composition of claim 1, further comprising a biodegradable amorphous polymer.
10. The composition of claim 9, wherein the solvent has a miscibility with water less than 7 percent by weight.
11. The composition of claim 9, further comprising at least one biocompatible component solvent.

12. The composition of claim 9, further comprising an emulsifying agent.

13. The composition of claim 9, wherein the biocompatible solvent is ethyl benzoate.

5 14. The composition of claim 9, wherein the composition is sterile.

15. The composition of claim 9, wherein the biodegradable crystallizable polymer is a polyester.

16. The composition of claim 9, wherein the biodegradable crystallizable polymer is poly(ϵ -caprolactone).

10 17. The composition of claim 9, wherein the biodegradable amorphous polymer is a polyester.

18. The composition of claim 9, wherein the biodegradable amorphous polymer is poly(D,L-lactide).

15 19. The composition of claim 18, wherein the biodegradable crystallizable polymer is poly(ϵ -caprolactone) and the biocompatible solvent is ethyl benzoate.

20. The composition of claim 1, wherein the composition is multi-layered.

20 21. A composition for controlled release of a bioactive agent, comprising: a biodegradable crystallizable polymer and a biodegradable amorphous polymer.

22. The composition of claim 21, further comprising a biocompatible solvent.

25 23. The composition of claim 22, wherein the solvent has a miscibility with water less than 7 percent by weight.

24. The composition of claim 22, wherein the solvent is ethyl benzoate.

25. The composition of claim 22, further comprising at least one biocompatible component solvent.

5 26. The composition of claim 22, further comprising an emulsifying agent.

27. The composition of claim 21, further comprising a bioactive agent.

28. The composition of claim 21, wherein the composition is sterile.

10 29. The composition of claim 21, wherein the biodegradable crystallizable polymer is a polyester.

30. The composition of claim 21, wherein the biodegradable crystallizable polymer is poly(ϵ -caprolactone).

15 31. The composition of claim 21, wherein the biodegradable amorphous polymer is a polyester.

32. The composition of claim 21, wherein the biodegradable amorphous polymer is poly(D,L-lactide).

20 33. The composition of claim 24, wherein the biodegradable crystallizable polymer is poly(ϵ -caprolactone) and the biodegradable amorphous polymer is poly(D,L-lactide).

34. A method of administering a bioactive agent, comprising: inserting the composition of claim 1 into an organism.

35. The method of claim 34, wherein the inserting is by injecting.

25 36. A method of administering a bioactive agent, comprising: inserting the composition of claim 21 into an organism.

37. The method of claim 36, wherein the inserting is by injecting.

38. A method of making the composition of claim 1, comprising:
combining ingredients;

wherein said ingredients comprise a biodegradable crystallizable
polymer; a biocompatible solvent; and a bioactive agent.

39. The method of claim 38, wherein the ingredients further
comprise a biodegradable amorphous polymer.

40. A method of making the composition of claim 21, comprising:
combining ingredients;

wherein said ingredients comprise a biodegradable crystallizable
polymer and a biodegradable amorphous polymer.

41. The method of claim 40, wherein the ingredients further
comprise a bioactive agent.

42. A kit, comprising:

a container; and

a mixture, in said container, comprising a biodegradable
crystallizable polymer, a bioactive agent, and a biocompatible solvent.

43. The kit of claim 42, wherein the mixture comprises a unit dosage
of said bioactive agent.

44. The kit of claim 42, wherein the mixture is sterile.

45. The kit of claim 42, wherein the mixture further comprises a
biodegradable amorphous polymer.

46. The kit of claim 42, further comprising a syringe.

47. The kit of claim 42, wherein the container comprises a septum.